

* POLE DIMENSIONS LUMINAIRE ARM

0.4375"-18.00" × 14.78" × 23'-0" NO

0.4375"-18.00" × 13.94" × 29'-0" YES

POLE TUBE TAPER IS 0.140 IN/FT

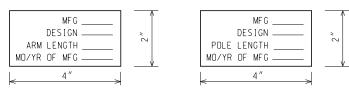
* DIAMETERS GIVEN ARE O.D.

MAST ARM TUBE TAPER IS 0.140 IN/FT

- * DIAMETERS GIVEN ARE O.D.
- ** TO BE DETERMINED BY CONTRACTOR BASED ON REQUIRED MAST ARM LENGTH AND TELESCOPIC SPLICE LENGTH.

NOTES:

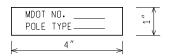
- THE DESIGN OF THIS STRUCTURE IS BASED ON THE 2001 AASHTO STANDARD SPECIFICATONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS FOR 90 MPH WIND LOAD AND CATEGORY I WITH GALLOPING, NATURAL WIND GUSTS, AND TRUCK INDUCED FATIGUE LOADS.
- WELD THE LONGITUDINAL ARM SEAM ON THE INBOARD AND OUTBOARD SECTIONS OF THE TELESCOPIC FIELD SPLICE WITH A COMPLETE JOINT PENETRATION (CJP) WELD A MINIMUM OF 36 INCHES LONG. IN ADDITION, LONGITUDINAL SEAM WELDS MUST BE CJP FOR A MINIMUM OF 6 INCHES FROM TUBE TO PLATE CJP WELDS.
- 3. SEAM WELDS MUST BE 90° ± FROM HAND HOLE AT BASE.
- 4. LUMINAIRE ARM IS 11 GAUGE ROUND STEEL WITH 0.140 INCH PER FOOT TAPER.
- 5. BACKING BAR FOR PIPE TO BASE PLATE (₱) AND MAST ARM TO MAST ARM PLATE MUST BE MINIMUM 5/16 INCH X 2 INCH PLATE.
- 1/2 INCH DIAMETER (Ø) ROUND STOCK C-HOOK ATTACHED TO ALL POLE SIZES, 3/4 INCH SCHEDULE (SCH.)
 40 PIPE ATTACHED TO ALL POLE SIZES AND INBOARD AND OUTBOARD ARM.
- 7. S.S. DENOTES STAINLESS STEEL. GA. DENOTES GAUGE. O.D. DENOTES OUTSIDE DIAMETER. I.D. DENOTES INSIDE DIAMETER. H.S. DENOTES HIGH STRENGTH.



ARM/POLE S.S. ID TAG DETAIL

TO BE ATTACHED TO POLE OR MAST ARM AT LOCATIONS SHOWN 4" FROM BASE OF TUBE BELOW HANDHOLE WITH (4) #8 X 3 /8" S.S. TYPE U DRIVE SCREWS.

(LETTERS STAMPED IN 3/8" CHARACTERS)



BASE S.S. ID TAG DETAIL

WELD TAG TO EDGE OF BASE ₱ (LETTERS STAMPED IN 3/8" CHARACTERS)

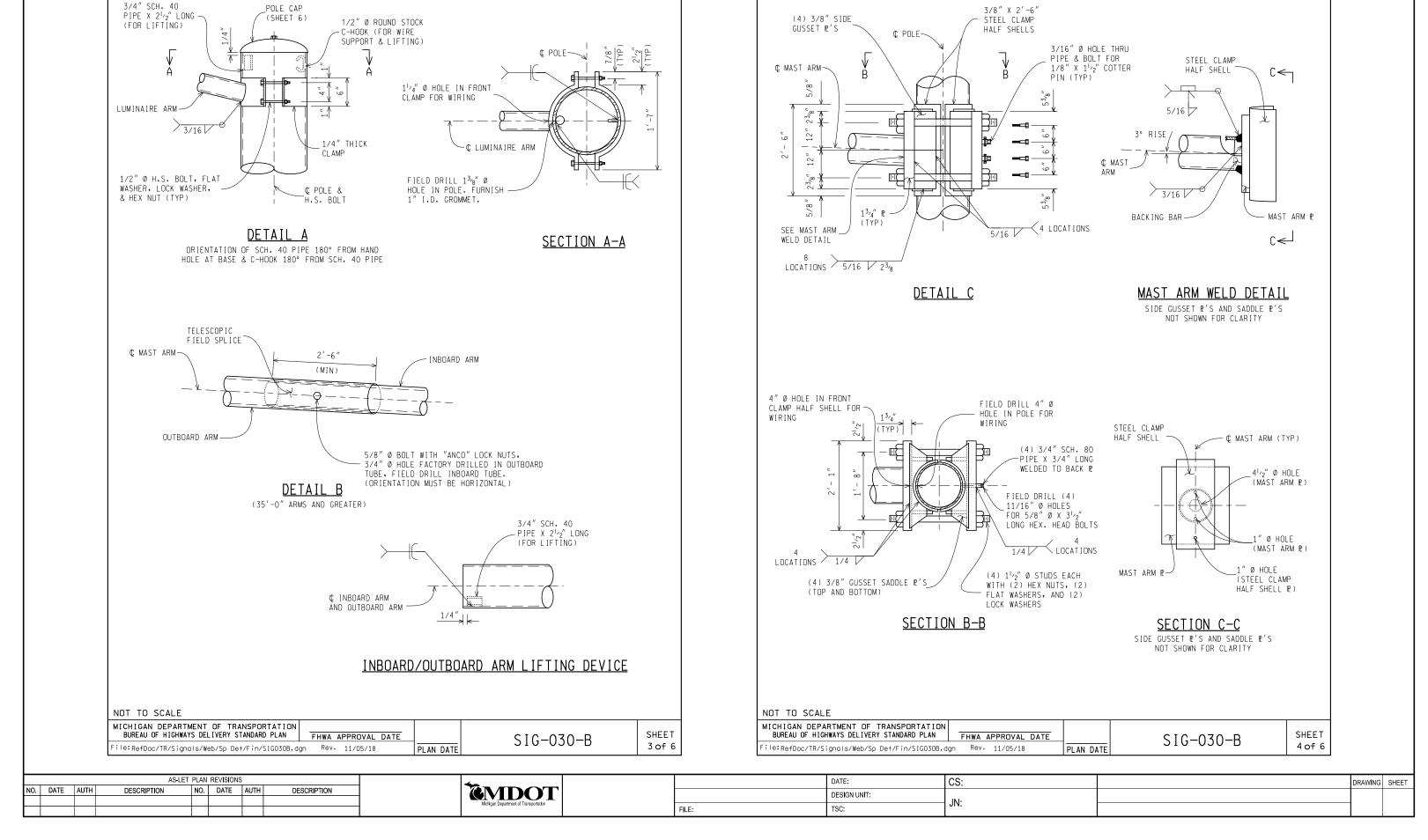
NOT TO SCALE

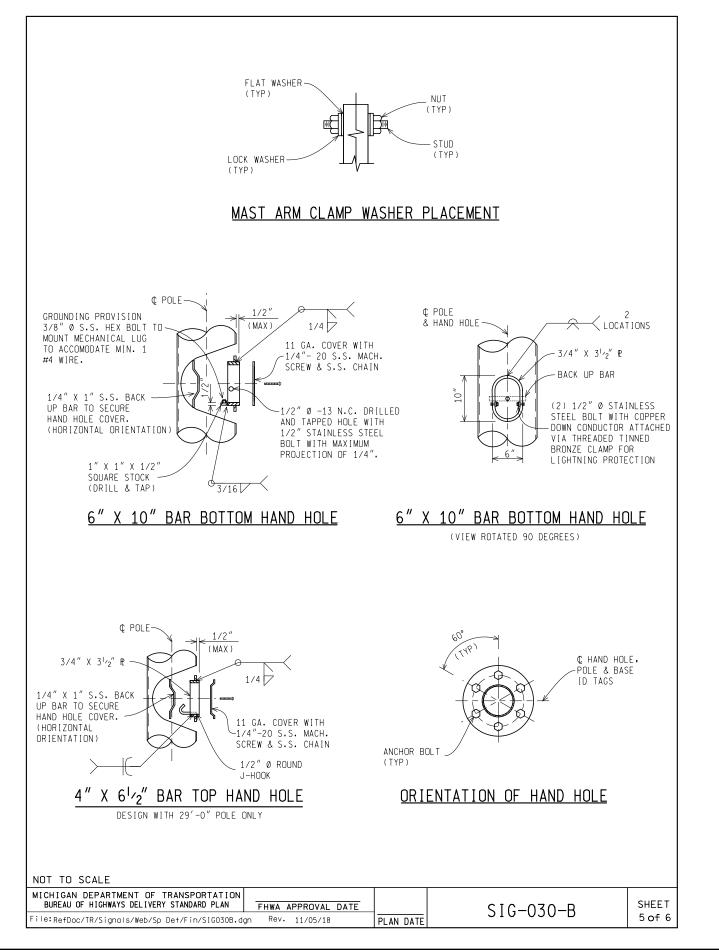
MICHIGAN DEPARTMENT OF TRANSPORTATION BUREAU OF HIGHWAYS DELIVERY STANDARD PLAN FHWA APPROVAL DATE

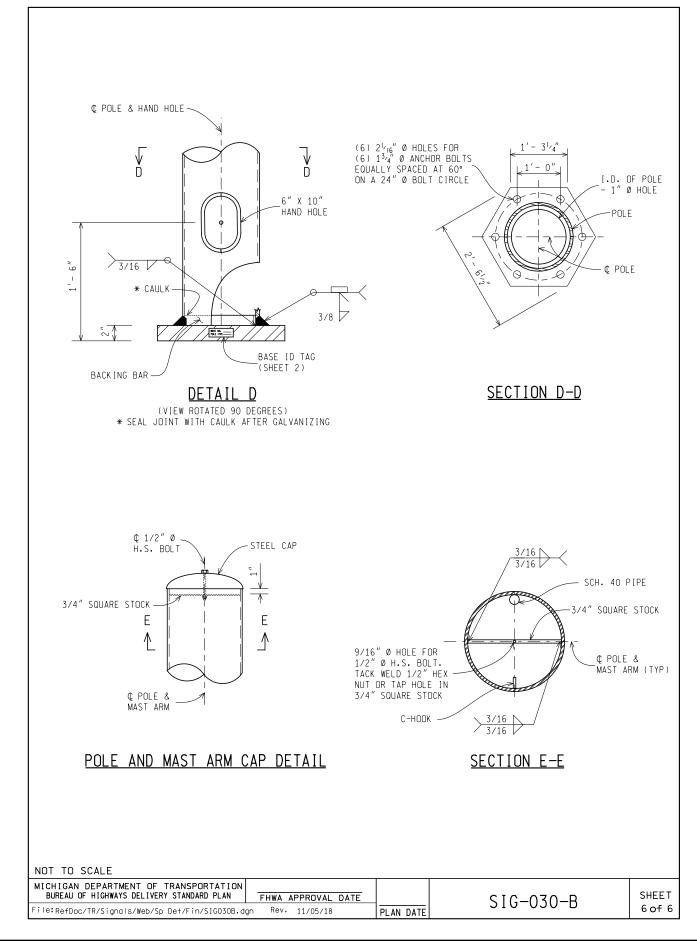
File:RefDoc/TR/Signals/Web/Sp Det/Fin/SI0030B.dgn Rev. 11/05/18 PLAN DATE

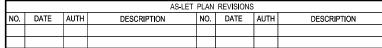
SHEET 2 of 6

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